



CALFED
BAY-DELTA
PROGRAM

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Memorandum

Date: December 16, 1996

To: CALFED Management Team

From: Steve Yaeger, Deputy Director
CALFED Bay-Delta Program

Subject: CALFED Bay-Delta Program Geographic Information Systems (GIS) Technical Work Group

CALFED Bay-Delta Program staff have proposed assembling a work group comprised of CALFED Agency and outside Geographic Information System technical experts to help define the Program's short- and long-term GIS and mapping needs. Several CALFED agencies have GIS programs and data that could assist in the Program's planning efforts.

We have formulated a plan to provide for the GIS needs for the Programmatic Environmental Document as well as longer term needs for Category III implementation, monitoring, and Phase III of the Program. In order to implement this plan, coordination of access to GIS information among the CALFED agencies is necessary. We are requesting that each agency designate a person to act as the agency's GIS representative and participate actively in a CALFED GIS technical team which will coordinate access to GIS data in the short term and work with us on designing the longer term GIS program. This representative should be able to provide information about datasets useful to CALFED that reside within your agency, convey detailed information about the GIS staffing and resources available in your agency, and, if you have GIS capability, be able to provide GIS data and services requested by the CALFED Bay-Delta Program. We are interested in staff that have a working knowledge of GIS and how spatial data is used in your agency; particularly in activities related to water resource management and environmental and cultural resources mapping.

We look forward to working with your staff in the near future. Thank you for your assistance in this matter. Please contact Steve Yaeger at (916) 657-2666 or Ray McDowell at (916) 653-9499 with your nominee for the GIS technical team.

cc: Lester Snow
Sharon Gross

CALFED Agencies

California

The Resources Agency
Department of Fish and Game
Department of Water Resources
California Environmental Protection Agency
State Water Resources Control Board

Federal

Environmental Protection Agency
Department of the Interior
Fish and Wildlife Service
Bureau of Reclamation
Department of Commerce
National Marine Fisheries Service

CALFED SHORT-TERM GEOGRAPHIC INFORMATION SYSTEMS (GIS) PROPOSAL

CALFED Staff is Proposing the Following Steps:

1. Form a small GIS technical group consisting of staff from the following agencies/organizations (invite CALFED Agencies to participate)
 - DFG
 - DWR
 - CALFED Consultant
 - CALFED Bay-Delta Program
 - USBR
 - UC Davis, California Rivers Assessment
 - UC Berkeley, Research Program in Planning and Geographic Information Systems
 - San Francisco Estuary Institute

*NBS-USGS
Gap Analysis?*

This Technical Work Team Would:

- a) Define short- and long-term GIS and mapping needs
 - b) Define the anticipated scope of work
 - area of coverage
 - data capture
 - analysis
 - modeling
 - map production/graphics
 - demos/presentations
 - c) Decide which GIS software/hardware the CALFED Bay-Delta Program should acquire
 - d) Allocate workload based on existing staffing, expertise and end use (and propose new staff, if necessary)
 - e) Decide where the CALFED-developed data will be archived?
2. Develop the in-house capability for CALFED staff to browse, manipulate and plot geographic data;
 3. Rely on CALFED Agencies and contractors for the "lion's share" of data development (i.e., digitizing, scanning, etc.); and

4. Acquire the Following Hardware/Software:

- 2 or 3 ARCVIEW licenses (ARCVIEW is a suite of GIS data browsing, analysis, and plotting tools);
- large format, color plotter for graphical, CAD and GIS output;
- large monitor and PC (powerful enough to run GIS software);
- digitizing board and 2+ Gbyte hard drive to support new ARCVIEW GIS station and existing CAD station.

ASSISTANCE FROM CALFED AGENCIES' GEOGRAPHIC INFORMATION SYSTEM (GIS) PROGRAMS

- I. Designate Agency GIS Contact
- II. Commitment from Those Agencies With GIS Expertise to Participate on a GIS Technical Work Team
- III. Commitment to Provide a Catalog of Metadata About an Agency's Geospatial Data
- IV. Commitment from CALFED Agencies with GIS Capability to Provide GIS Services